

Fig. 1

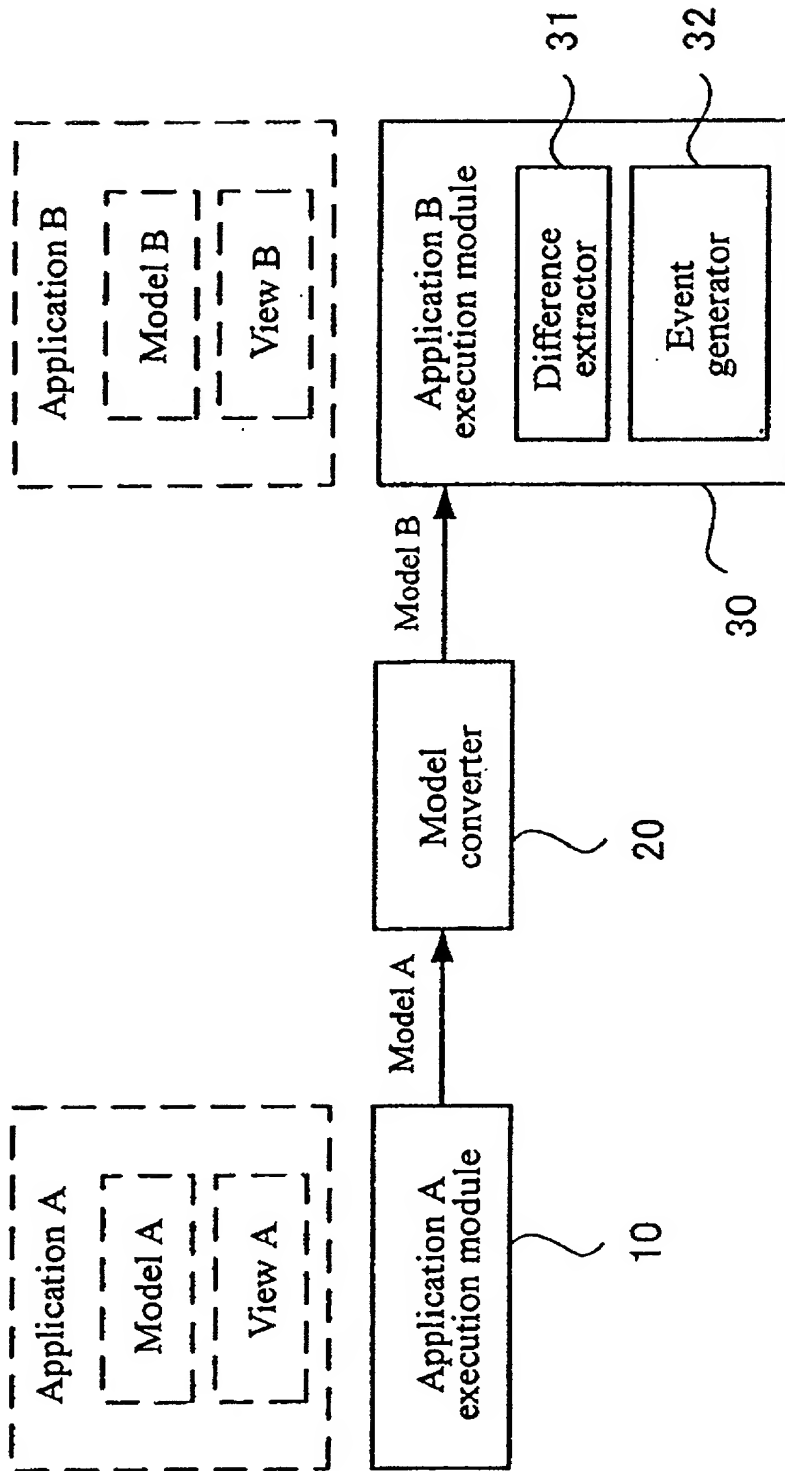



Fig. 2

[illegible]

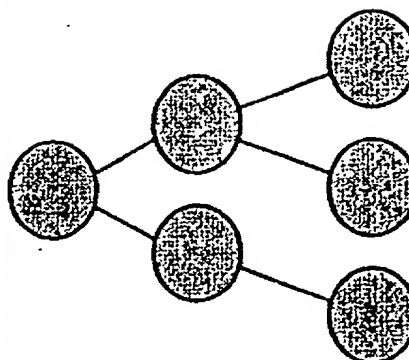
View A

View B

Model A

Application A

Model conversion



Model B

Application B

Fig. 3

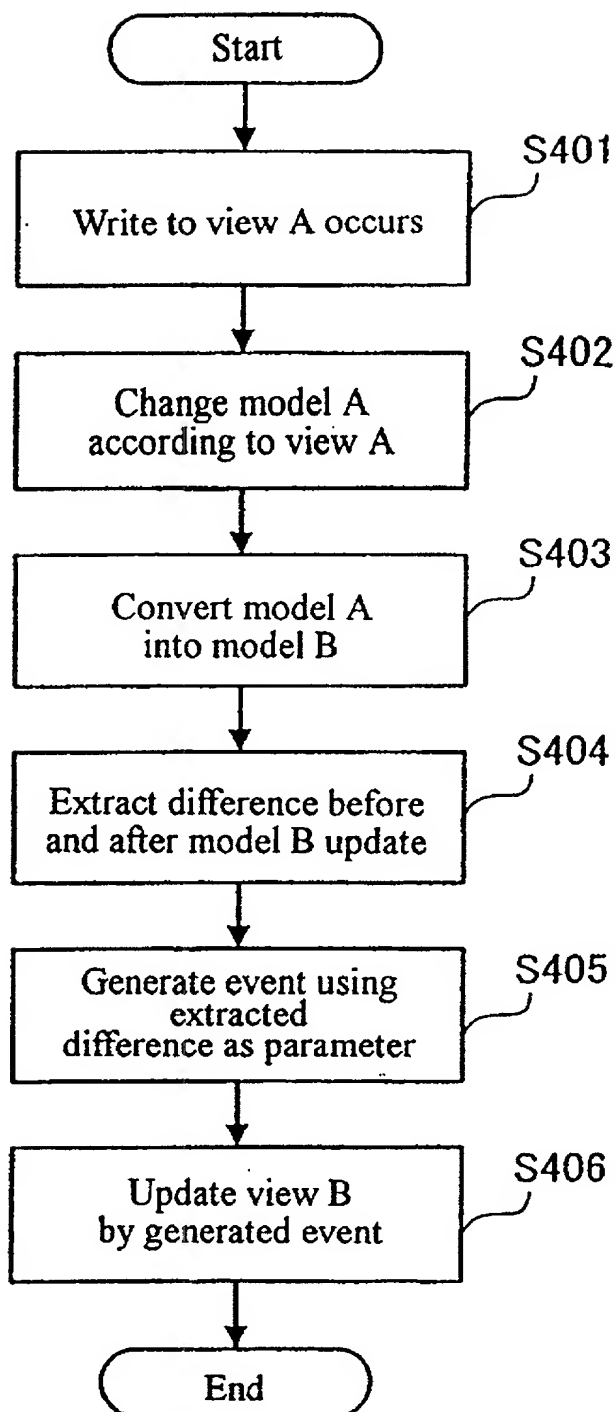


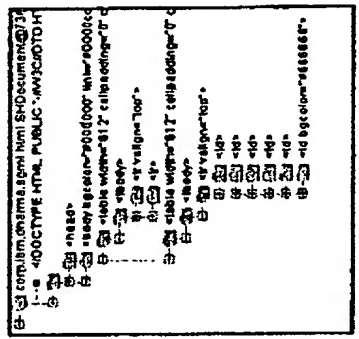
Fig. 4

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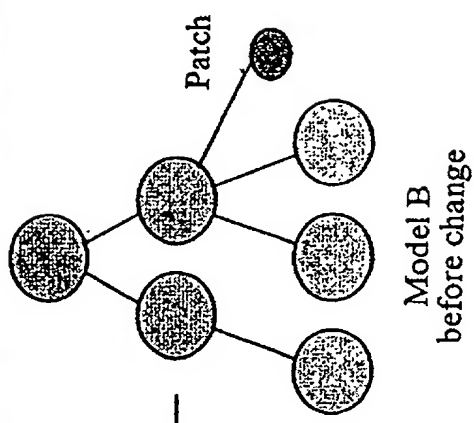
S406



View B

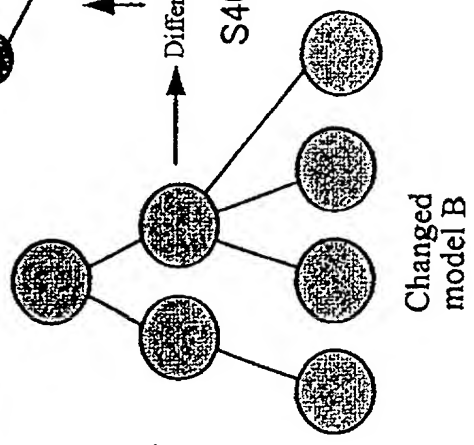


S405



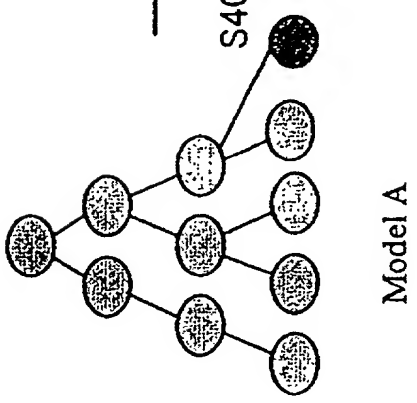
Difference

S404

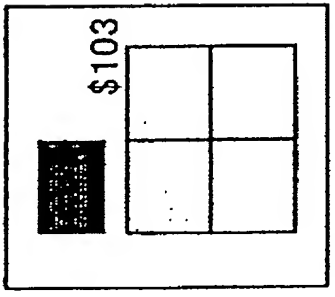


S403

S402



S401



View A

View

Fig. 5

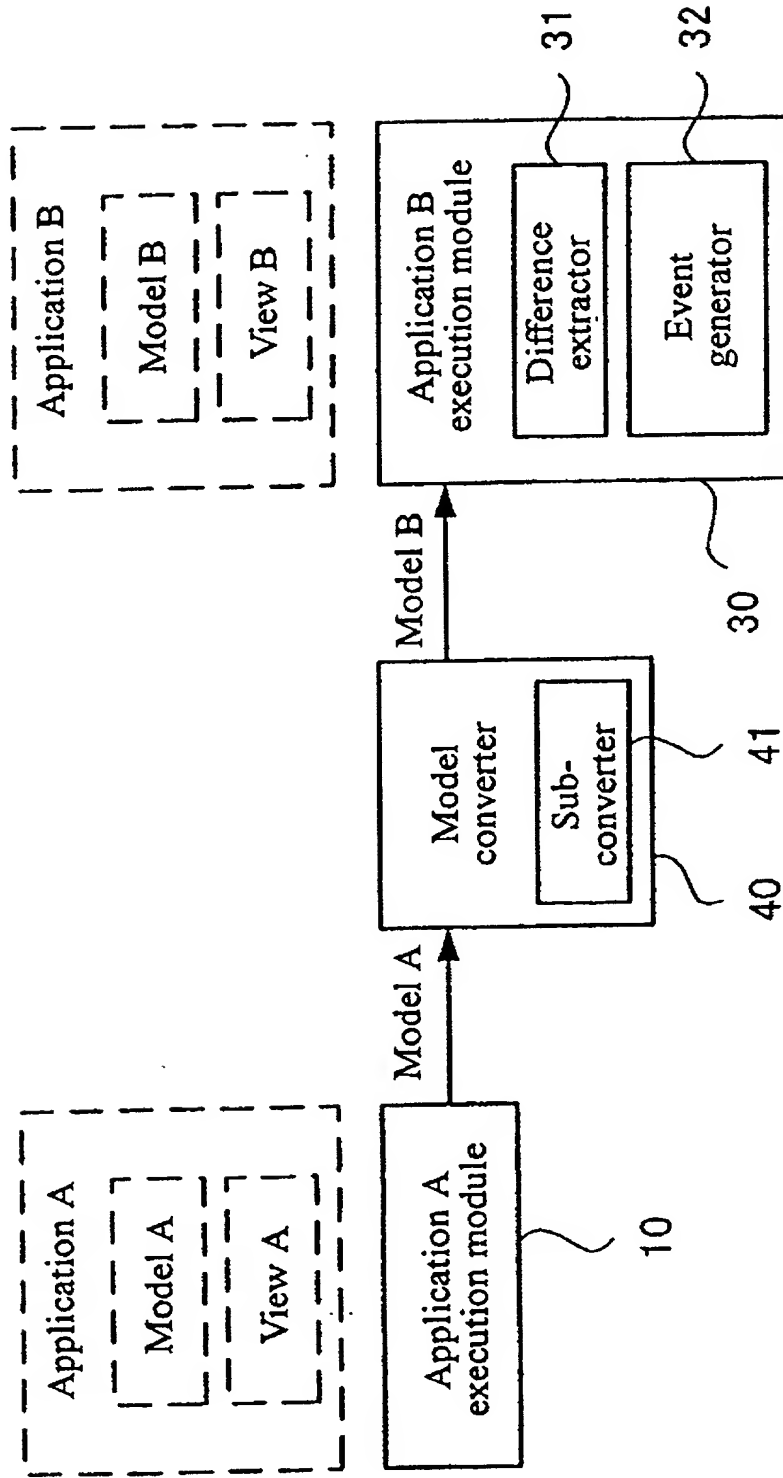


Fig. 6

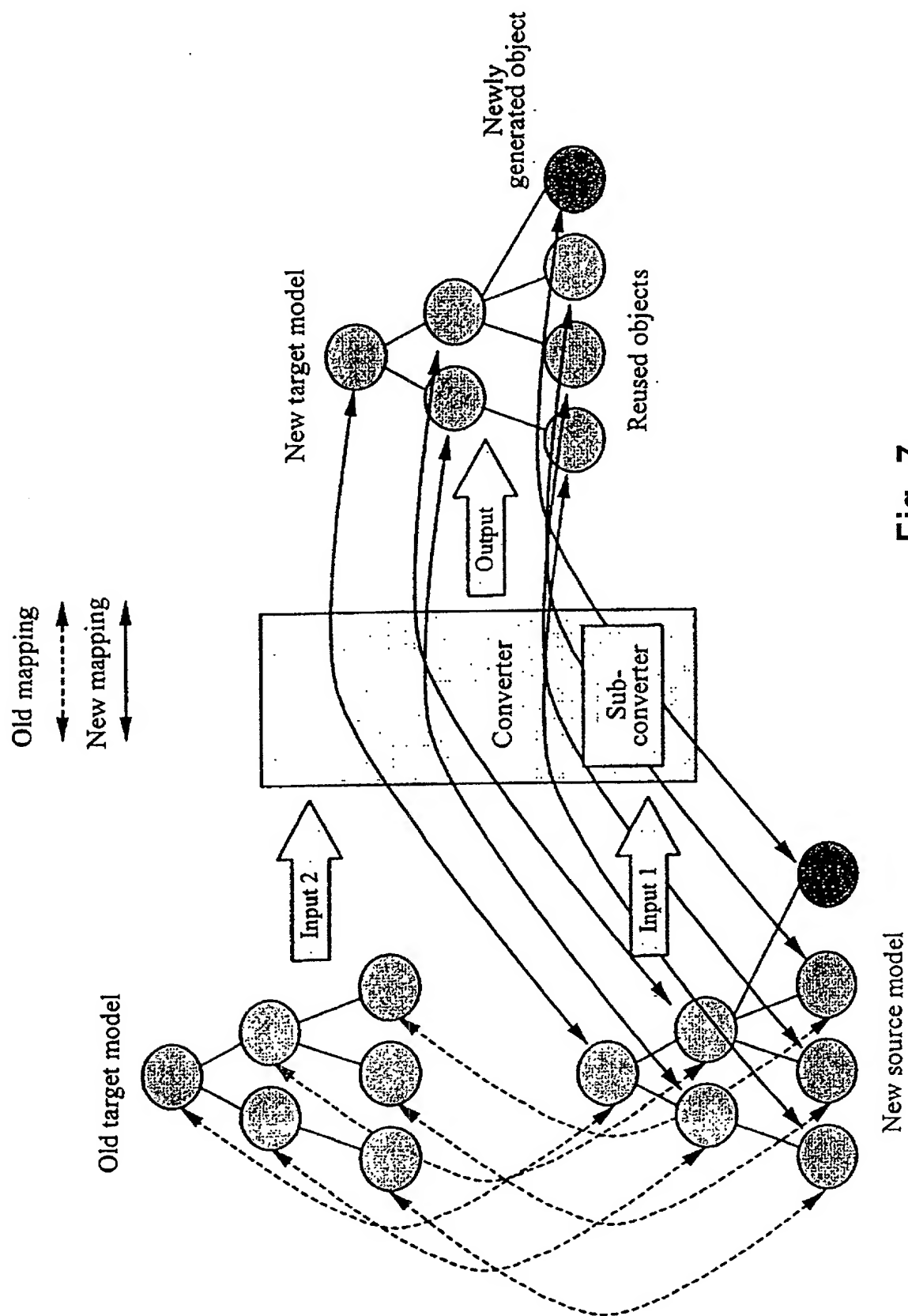


Fig. 7



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Old mapping
New mapping

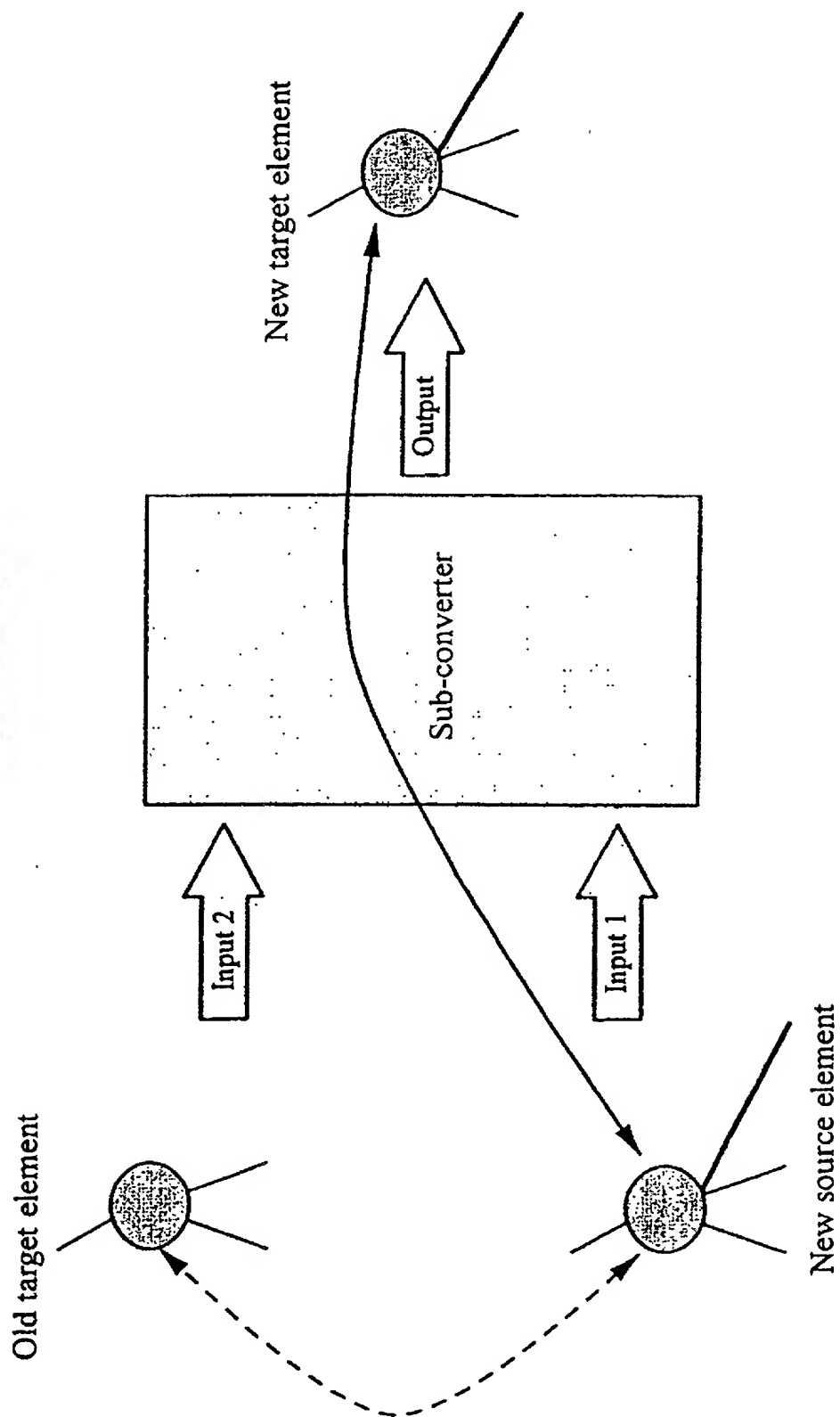


Fig. 8

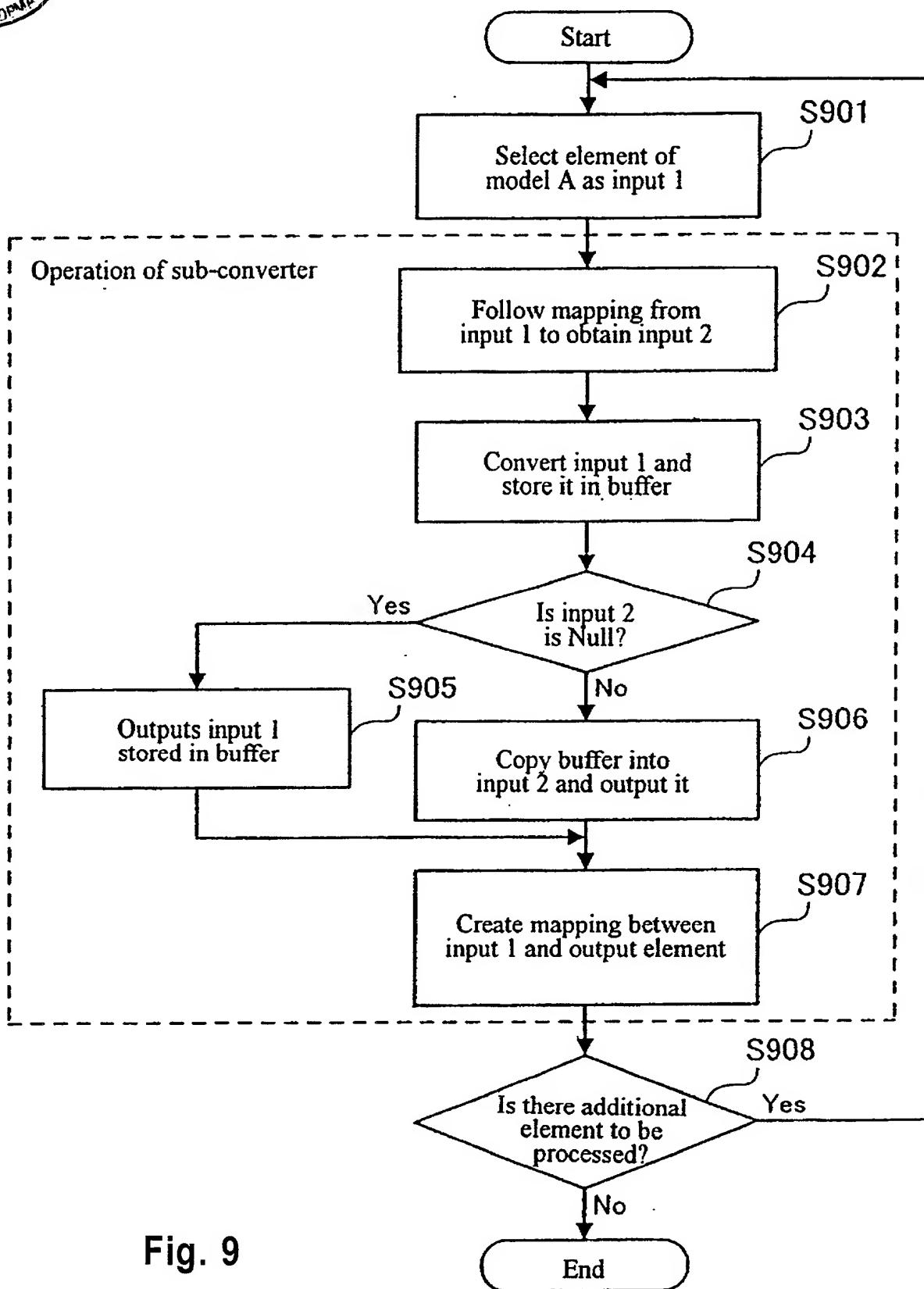
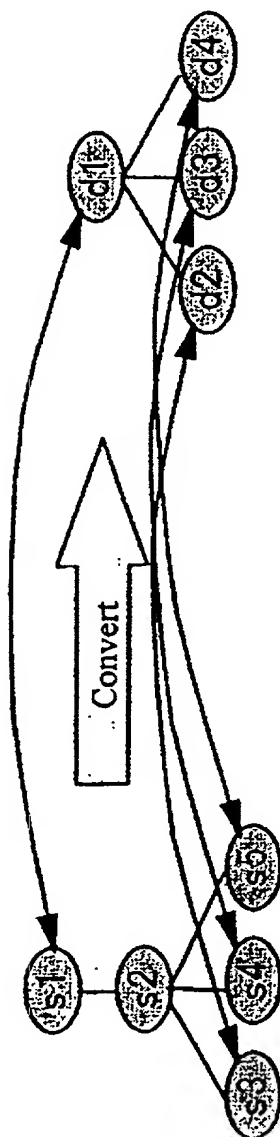
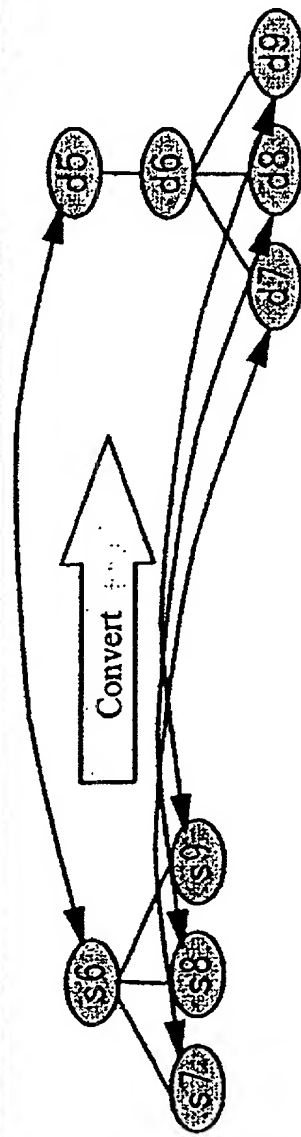


Fig. 9

(A) Decrease type



(B) Increase type



(C) Multiplying type

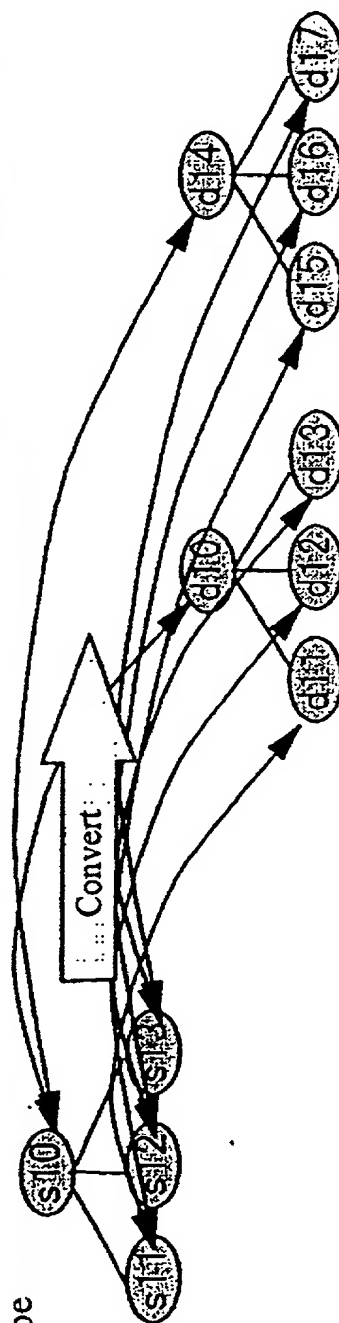


Fig. 10

Pub. No. 43007

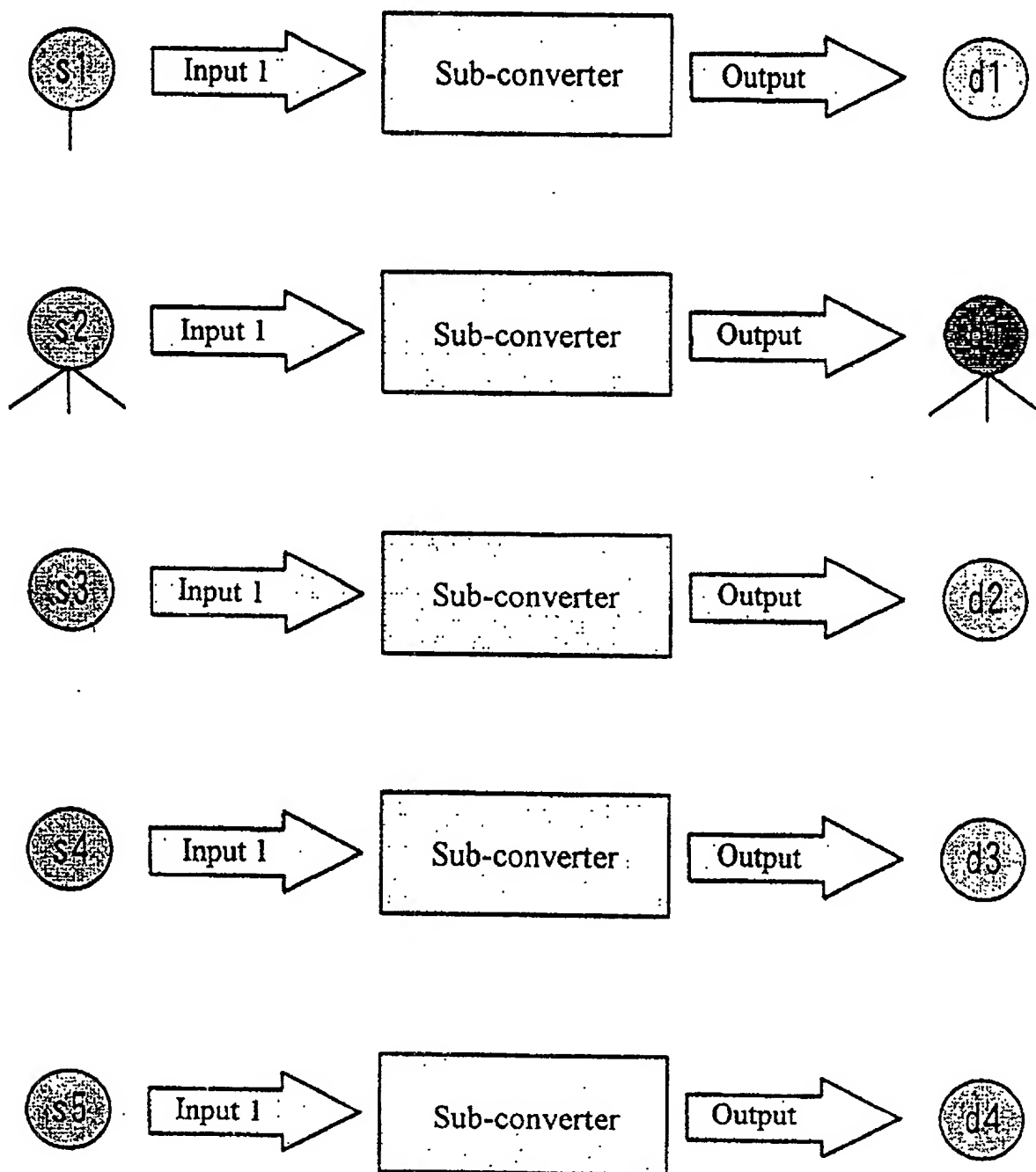


Fig. 11

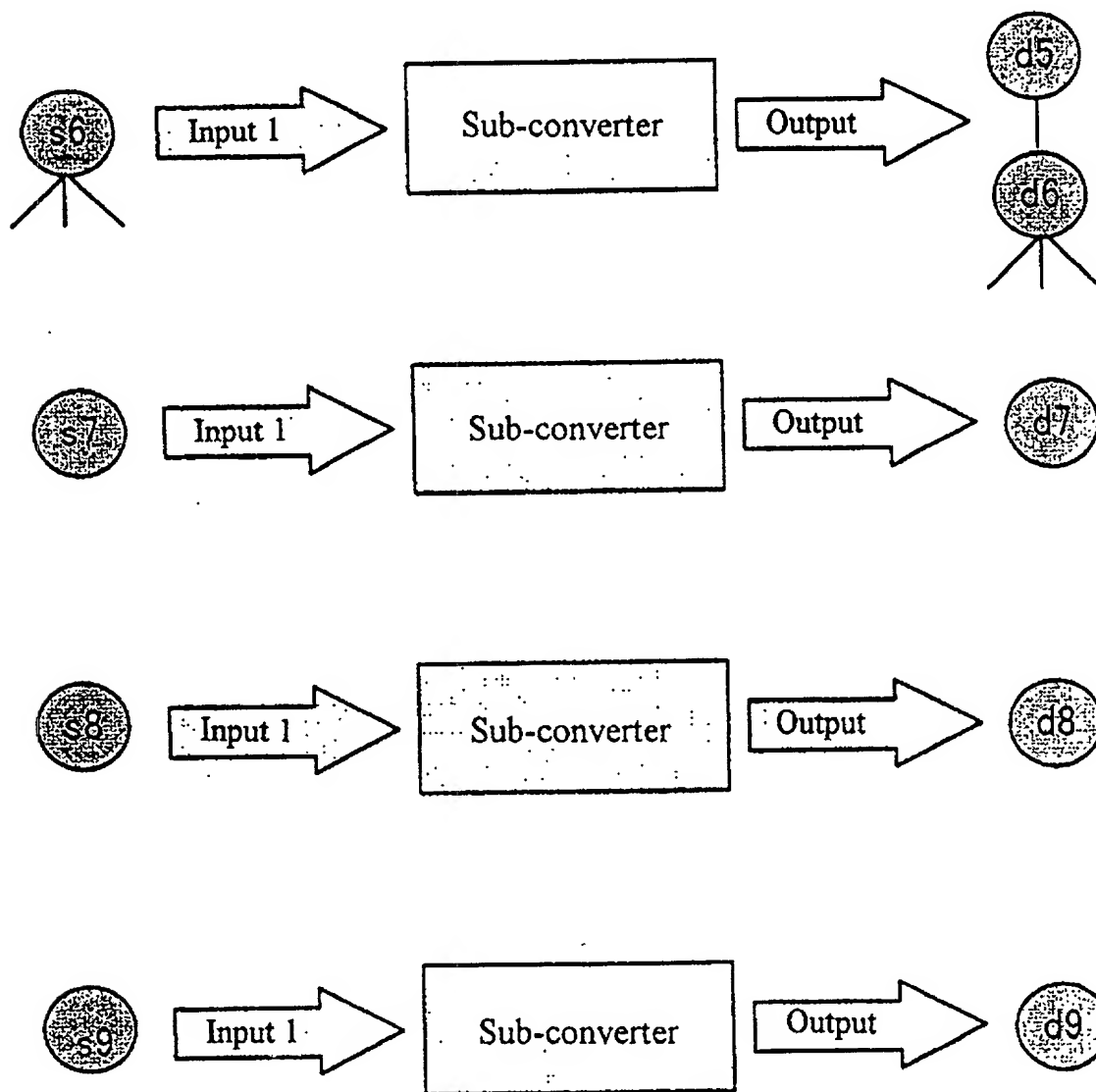


Fig. 12



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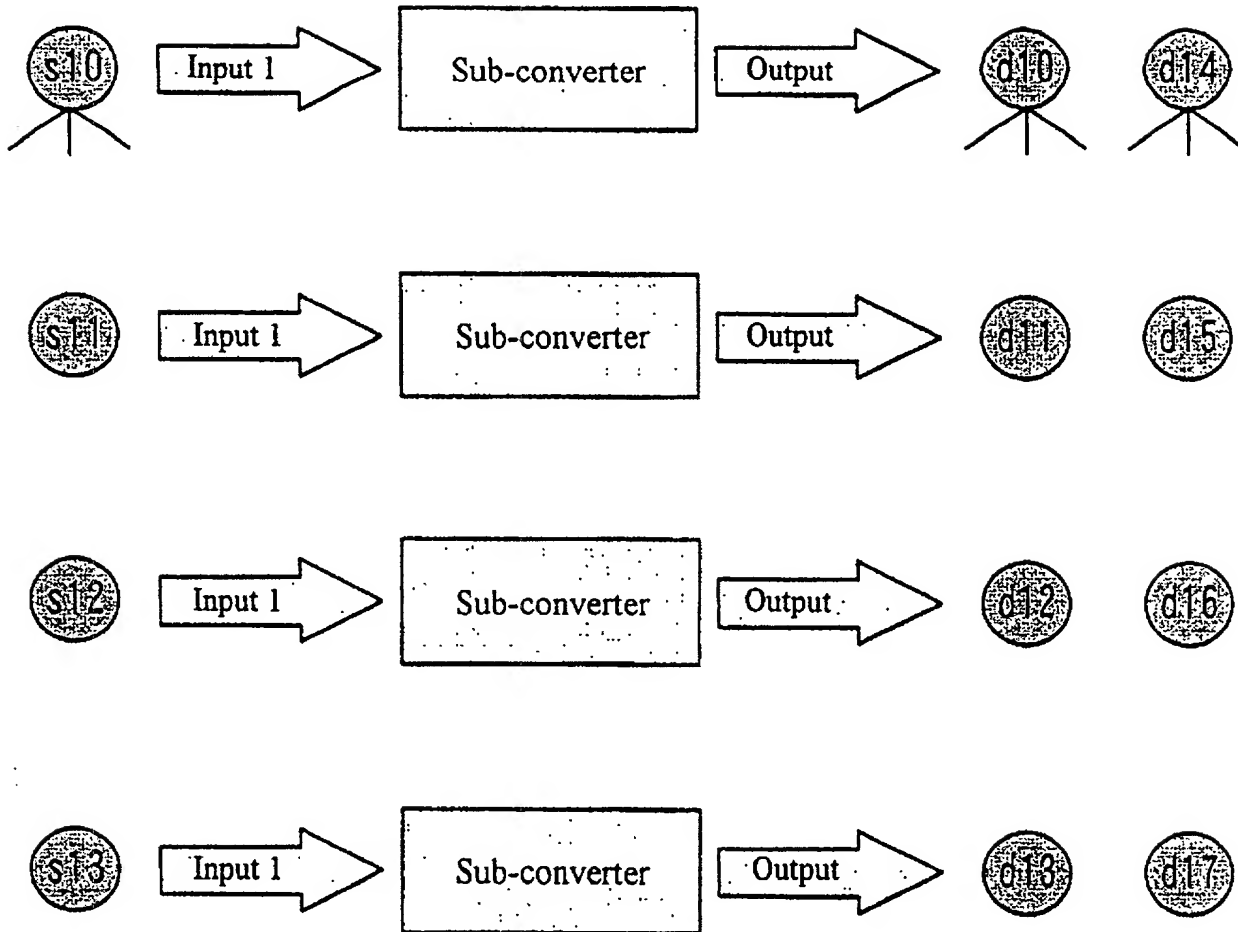


Fig. 13

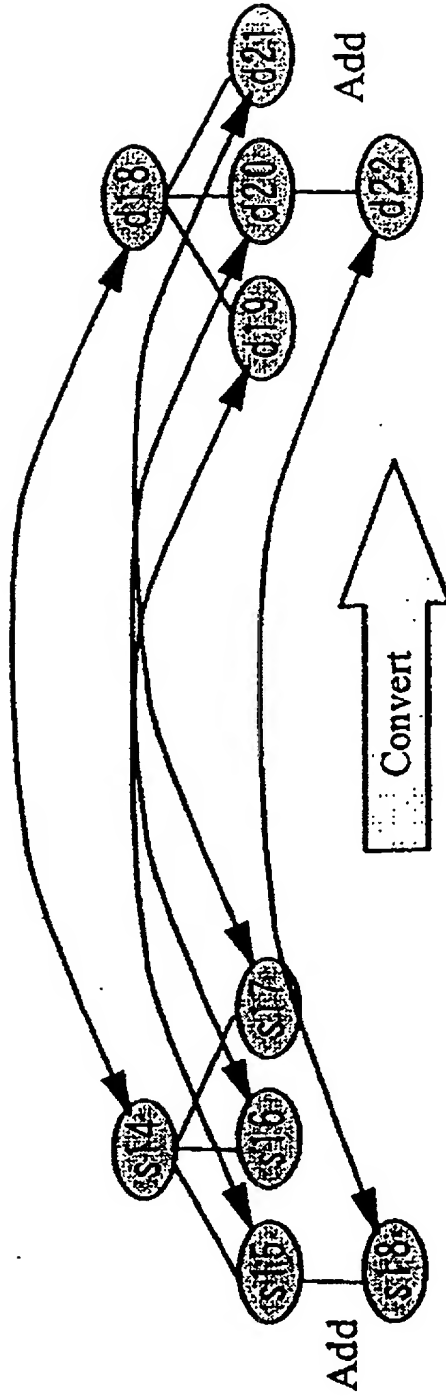


Fig. 14

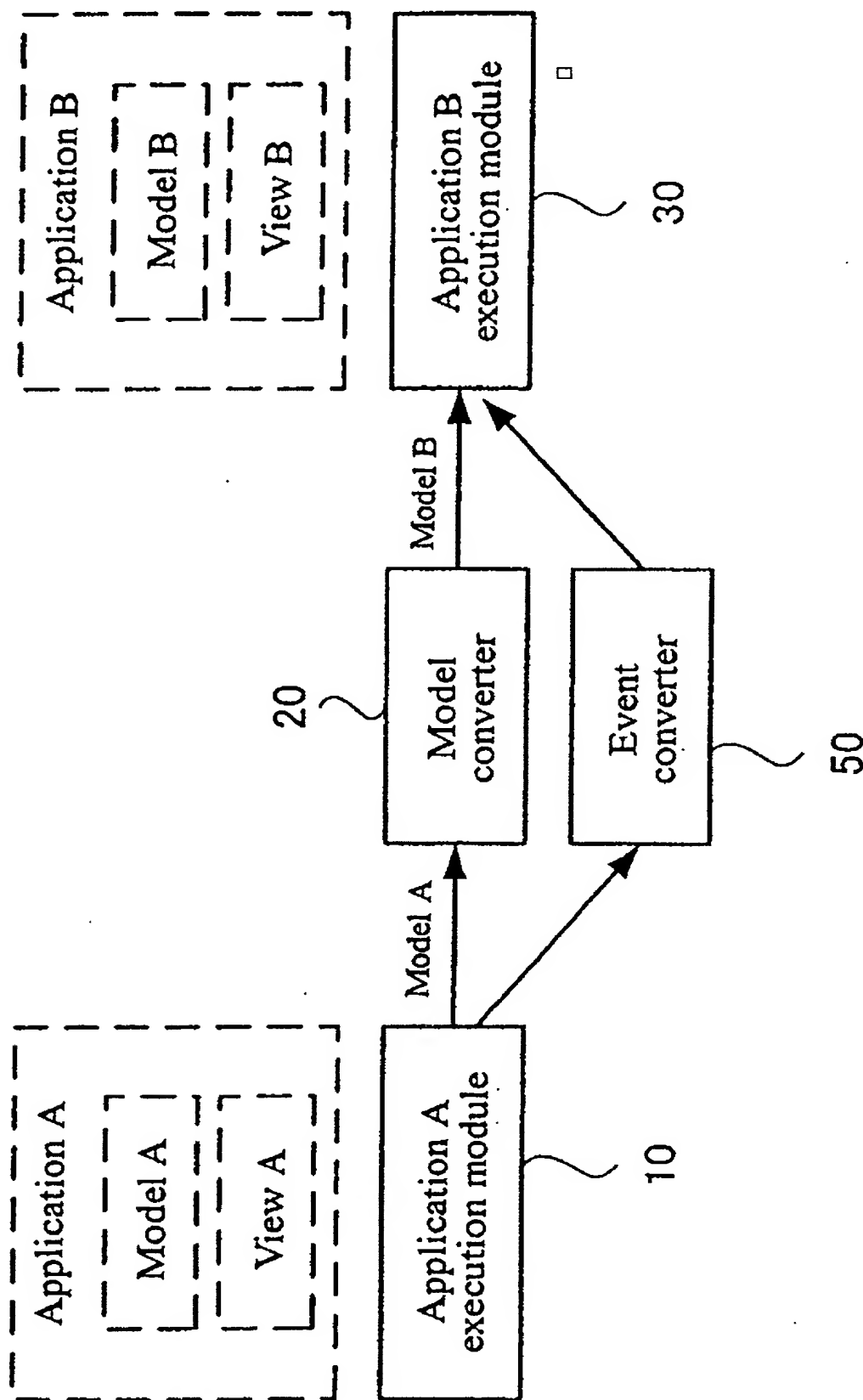


Fig. 15

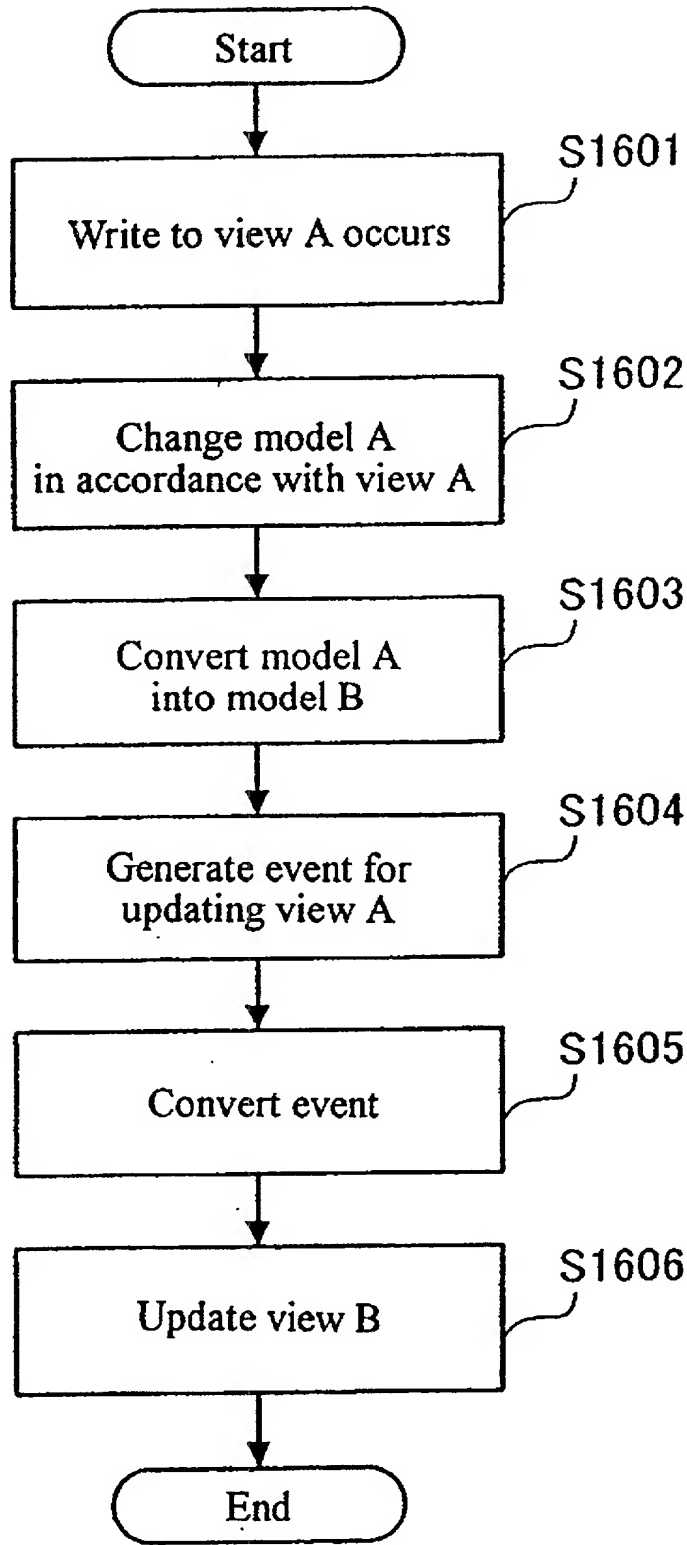


Fig. 16

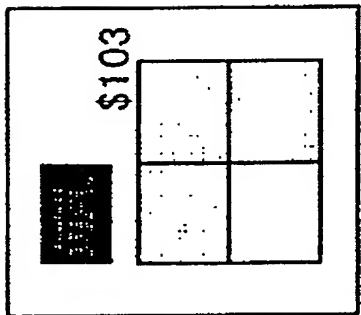
S1606

```

<?xml version="1.0" encoding="UTF-8" ?>
<html>
<head>
<title>Document</title>
</head>
<body>
<table border="1">
|  |  |
| --- | --- |
|  |  |
|  |  |

```

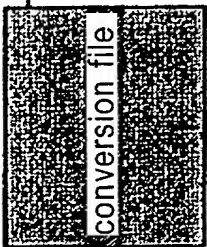
S1601



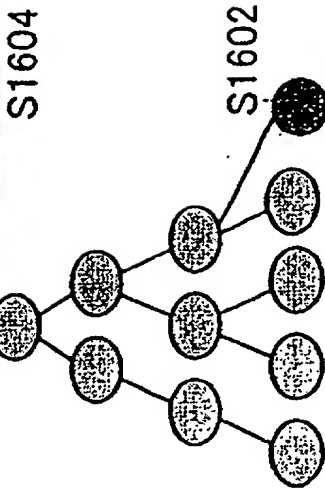
View

S1605

Insert event



S1603



S1602

Model

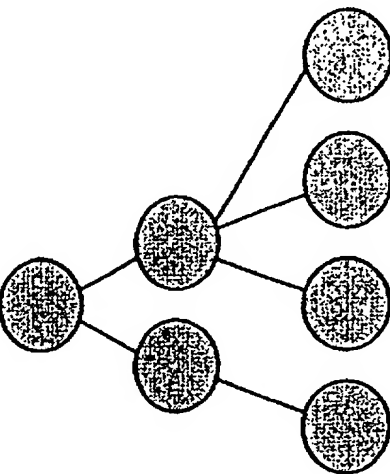


Fig. 17

FIG. 18

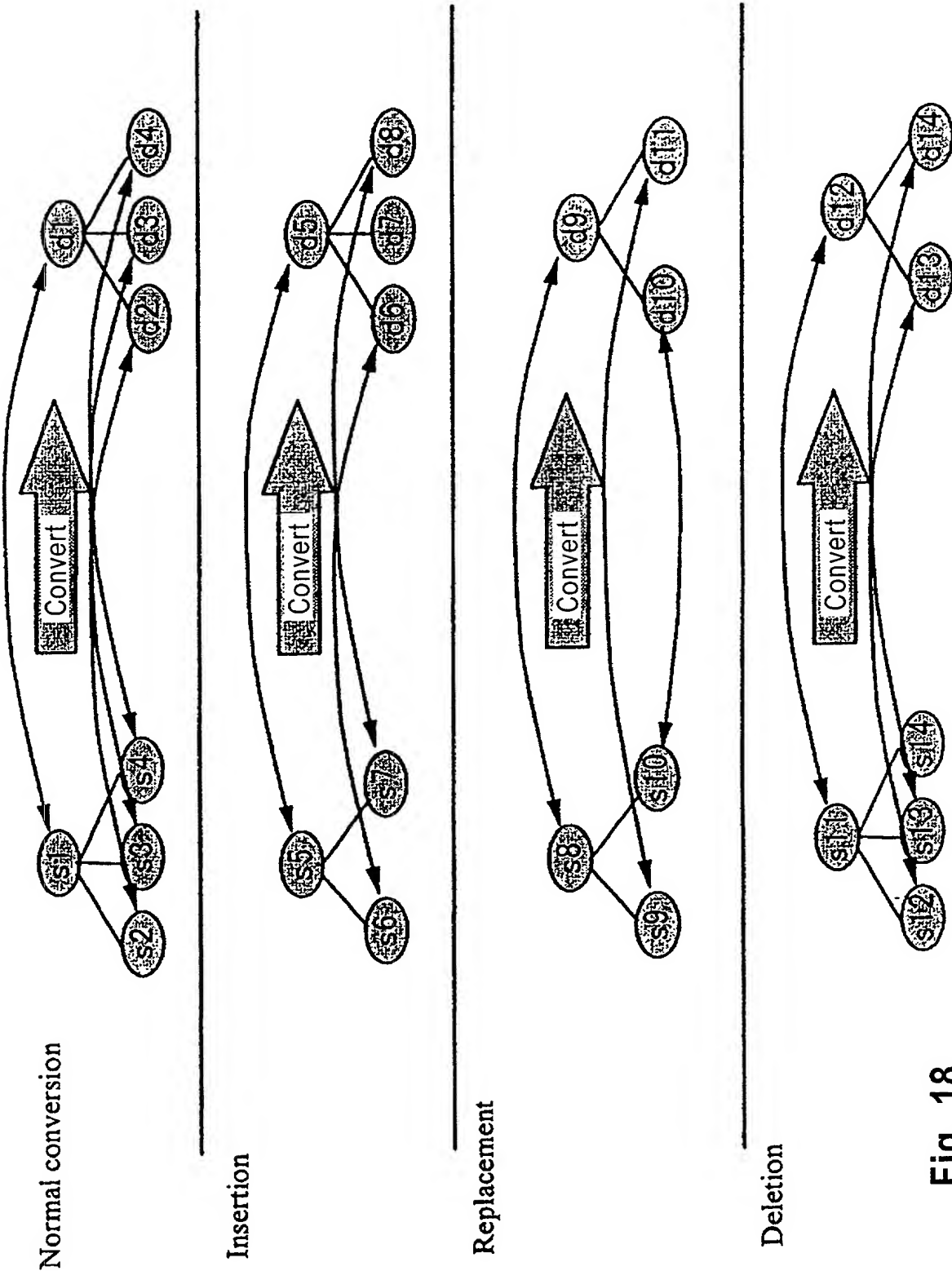


Fig. 18

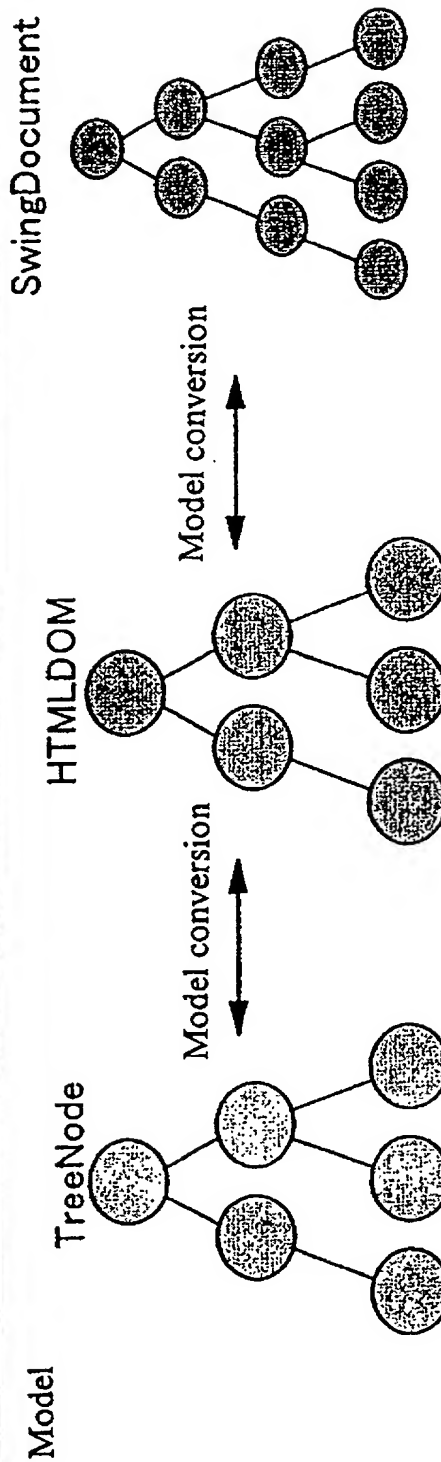
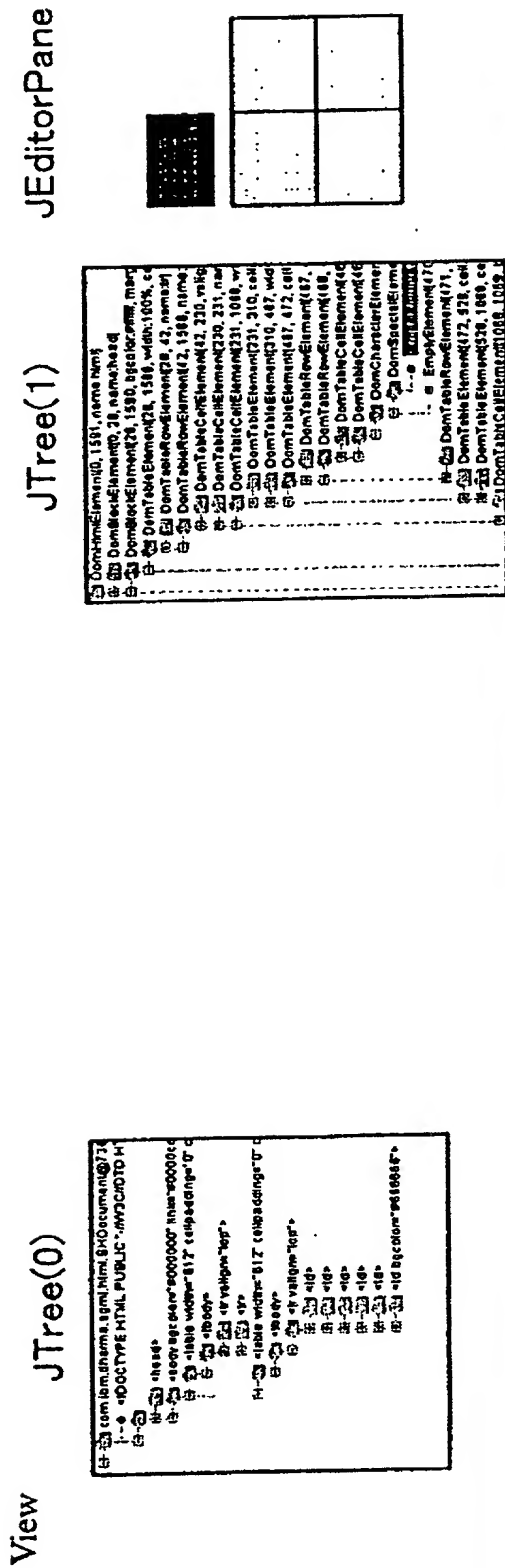
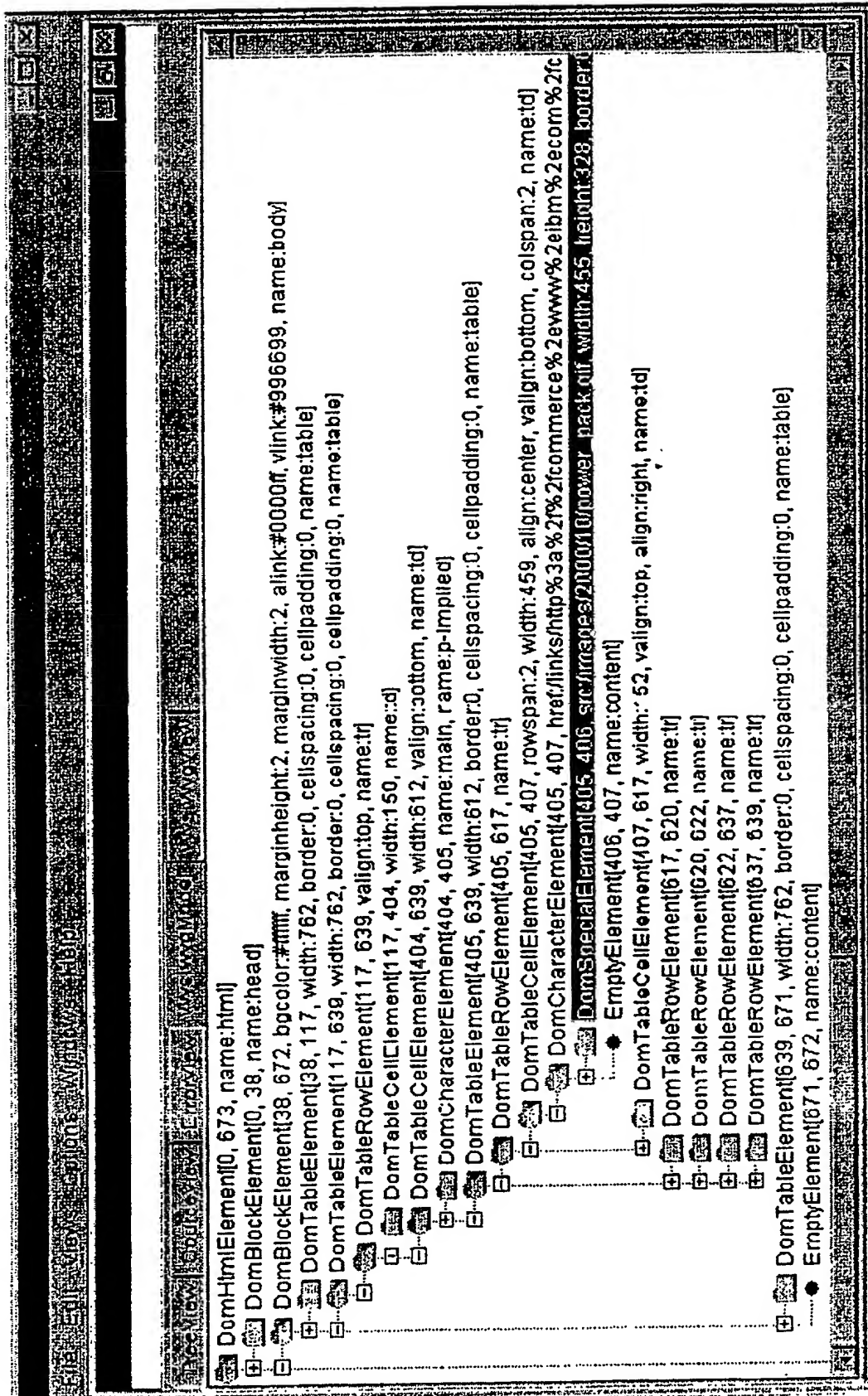


Fig. 19

Fig. 20





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POWERPACKED OFFER

File Edit View Options Windows Help

File View Print Mail Favorites Home

IBM to build \$300 mil
chip facility in Shanghai

IBM @server

e-business
hosting

Power
packed offer

Special offer on a
battery backup system
when you buy select
ThinkPad notebooks
and desktop computers.
(U.S. only)

IBM @server

Government

Developers

IBM Business

Partners

Job seekers

Investors

Journalists

IBM Worldwide

e-business

Self-service
support

Fig. 22



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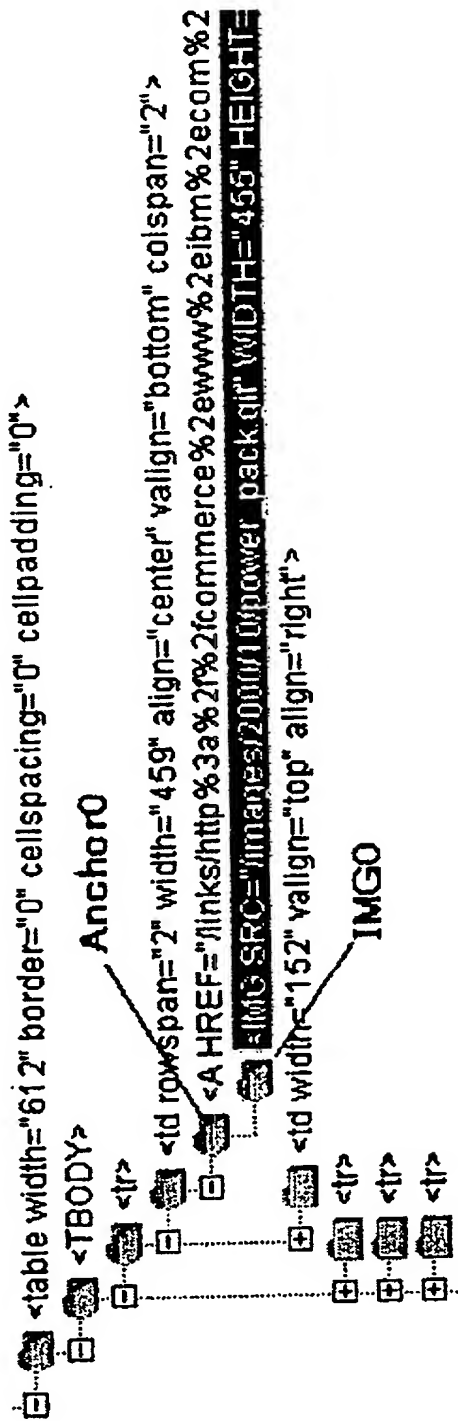


Fig. 23

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DomTableElement[405, 639, width:612, border:0, cellpadding:0, cellspacing:0, name:table]

DomTableRowElement[405, 617, name:tr]

DomTableCellElement[405, 617, name:td]

DomTableCellElement[405, 617, name:td]

DomCharacterElement[405, 407, href:links/http%3a%2f%2fcommerce%2ewww%2eibm%2ecom%2

DomSpecialElement[405, 406, src:images/2000/10/power_pack.gif, width:455, height:328, borde

EmptyElement[406, 406, content]

DomTableCellElement[407, 511, width:152, valign:top, align:right, name:td]

DomTableRowElement[617, 620, name:tr]

DomTableRowElement[620, 622, name:tr]

DomTableRowElement[622, 637, name:tr]

Fig. 24



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20040907 13:44:30

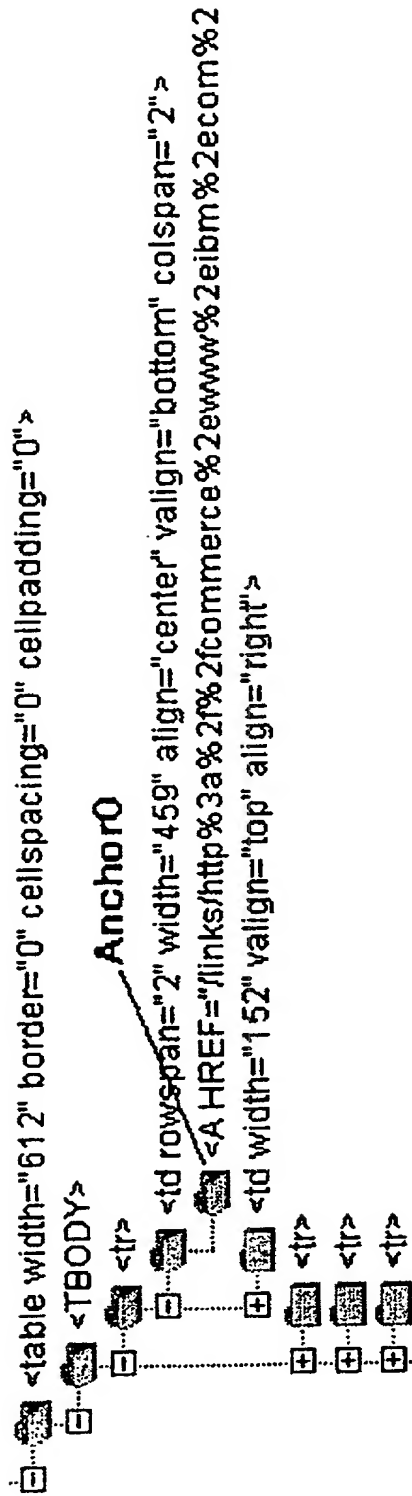


Fig. 25



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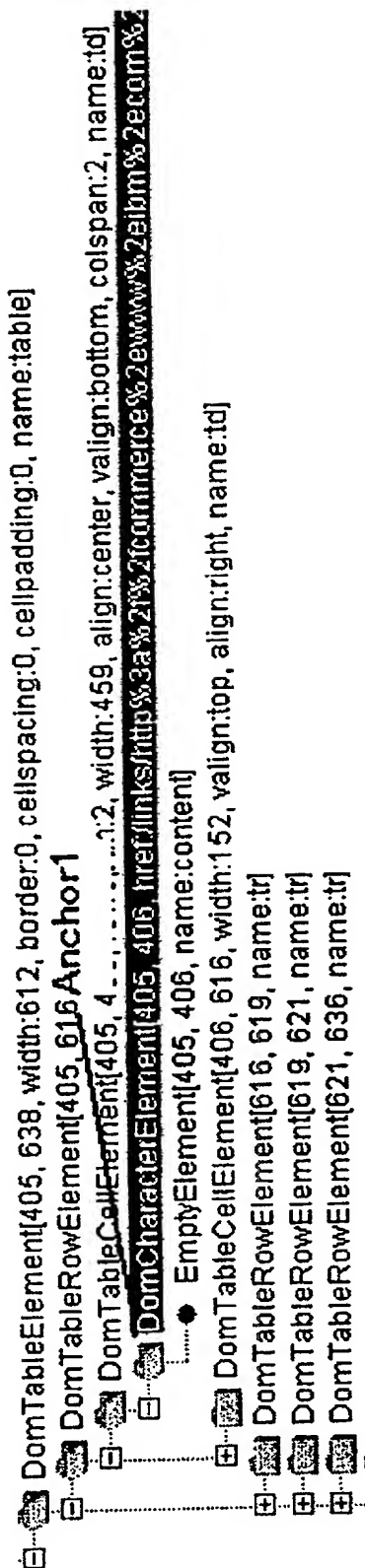
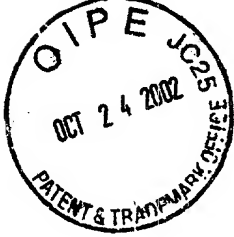


Fig. 26



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2000 10 24 15:00

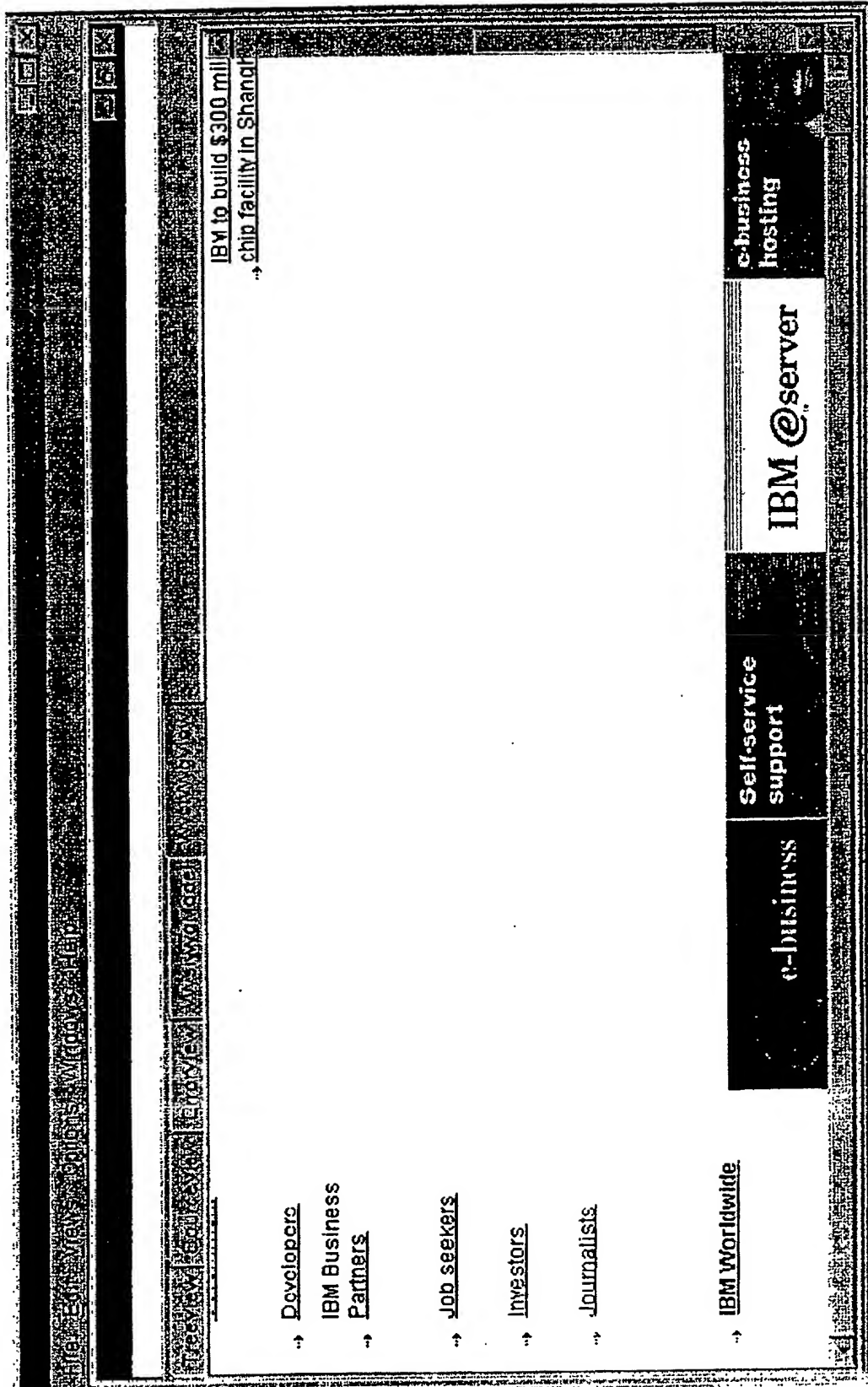


Fig. 27

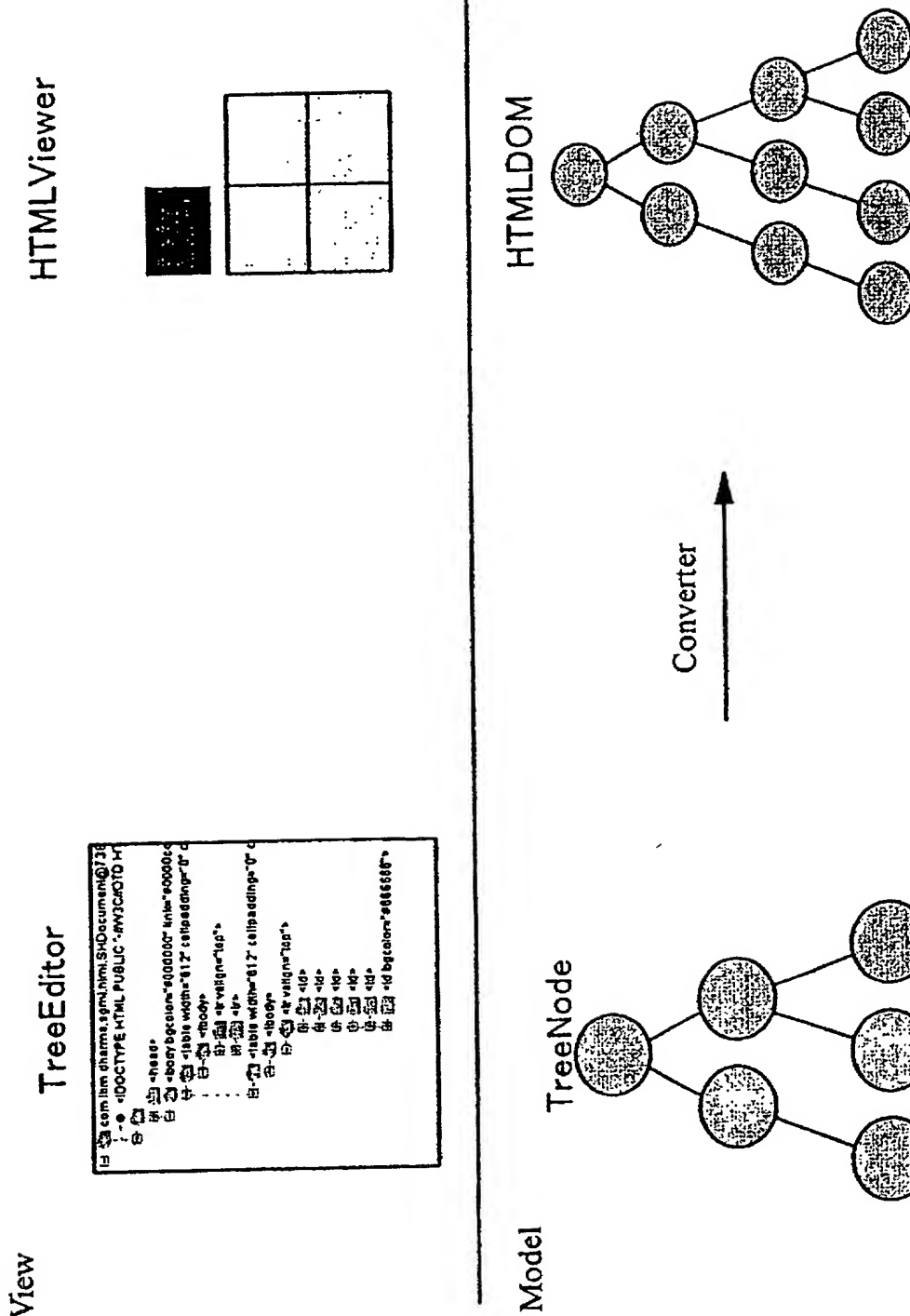


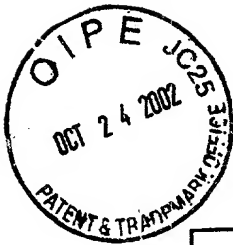
Fig. 28



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<?xml version="1.0"?>
<!ELEMENT discussion thread*>
<!ATTLIST discussion name CDATA #REQUIRED>
<!ELEMENT thread statement+>
<!ATTLIST thread id ID #IMPLIED>
<!ELEMENT statement (content, statement*)>
<!ATTLIST statement
 subject CDATA ""
 writtenby CDATA "anonymous"
 id ID #IMPLIED
>
<!ELEMENT content #PCDATA>

Fig. 29



```
<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns="http://www.w3.org/TR/xhtml1/strict">
<xsl:template match="discussion">
  <html>
    <head>
      <title>
        <xsl:valueof select="@name"/>
      </title>
    </head>
    <body>
      <xsl:apply-templates/>
    </body>
  </html>
</xsl:template>
<xsl:template match="thread">
  <ul>
    <xsl:apply-templates/>
  </ul>
</xsl:template>
<xsl:template match="statement">
  <li><b><xsl:valueof select="@subject"/></b> - <i><xsl:valueof
select="@writtenby"/></i><br/>
    <xsl:apply-templates select="content"/>
  <ul>
    <xsl:apply-templates select="statement"/>
  </ul>
</li>
</xsl:template>
<xsl:template match="content">
  <xsl:apply-templates/>
</xsl:template>
```

Fig. 30



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```
<?xml encoding="US-ASCII"?>  
<!DOCTYPE discussion SYSTEM "discussion.dtd">  
<discussion name="Transformer Discussion">  
  <thread id="1">  
    <statement subject="Test" writtenby="kondo">  
      <content>This is a test.</content>  
    </statement>  
  </thread>  
</discussion>
```

Fig. 31



```
<html>
<head>
<title>Transformer Discussion</title>
</head>
<body>
<ul>
<li><b>Test</b> - <i>kondo</i><br>
This is a test.
<ul>
</ul>
</ul>
</body>
</html>
```

Fig. 32



```
<html>
<head>
<title>Transformer Discussion</title>
</head>
<body>
<ul>
<li><b>Test</b> - <i>kondo</i><br>
This is a test.
<ul>
<li><b>OK</b> - <i>anonymous</i><br>
OK
</ul>
</ul>
</body>
</html>
```

Fig. 33



Source	Sales	Recurring profit	Current profit
Company I	1000	100	50
Company F	400	80	40
Company H	600	50	25

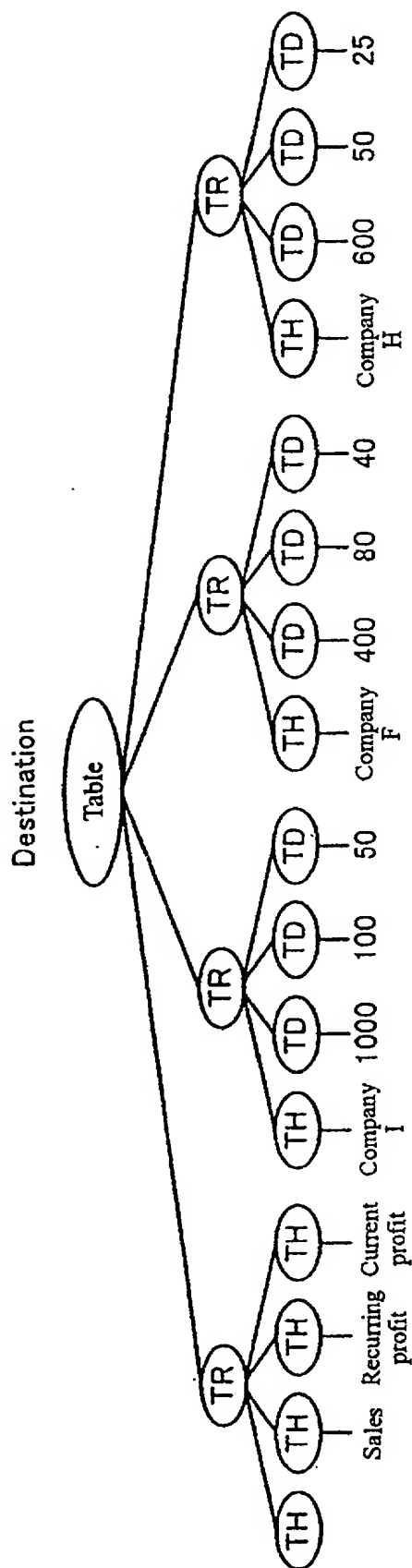


Fig. 34



Source		
	Sales	Recurring profit
Company I	1000	100
Company F	400	80
Company H	600	50

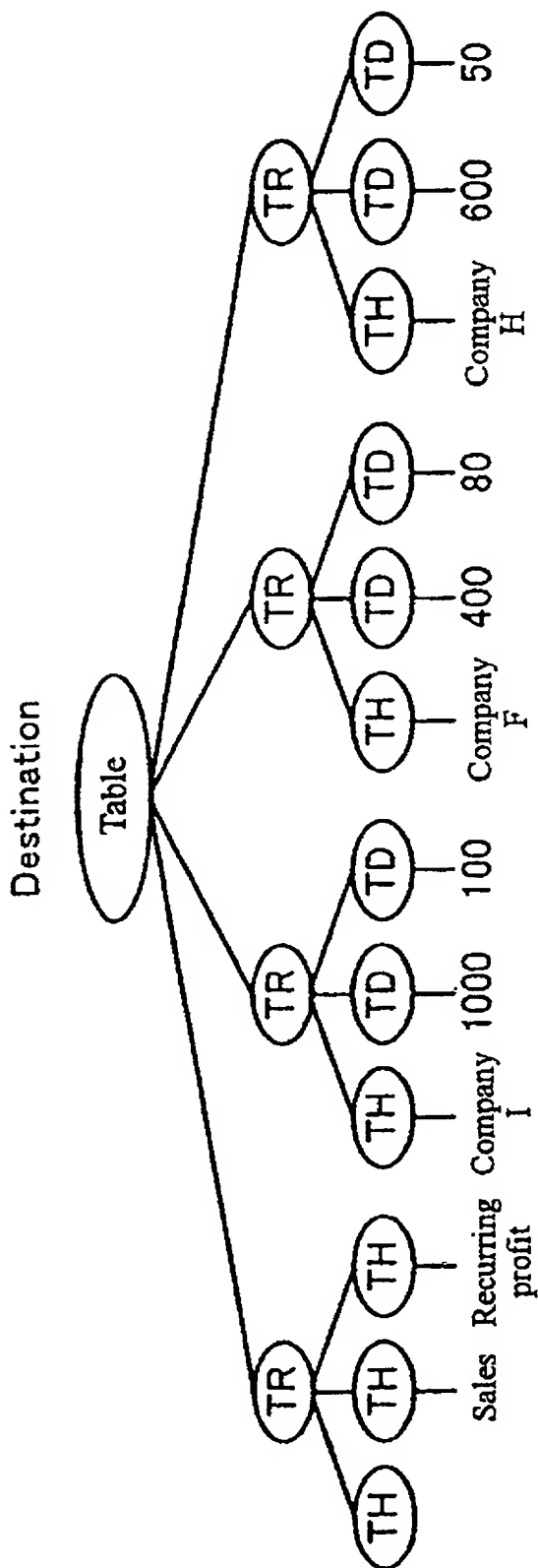
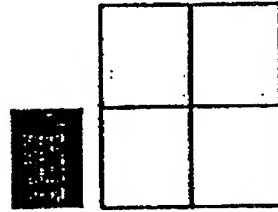


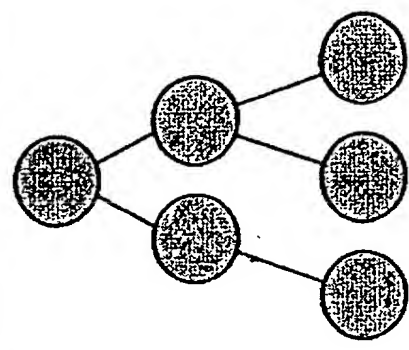
Fig. 35

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$



Views

```
<html>
<body>
...
</body>
</html>
```



Model

Fig. 36

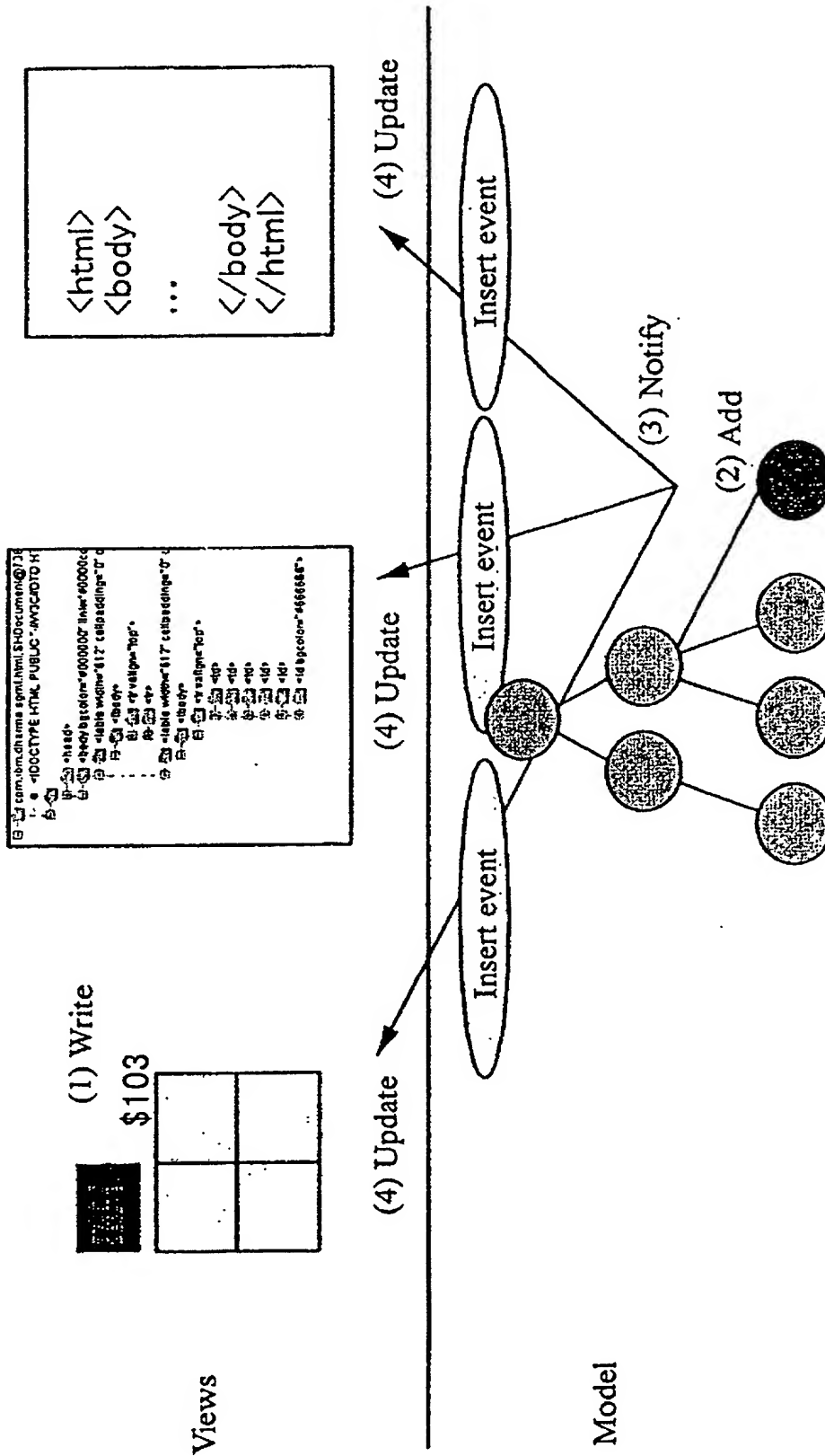


Fig. 37

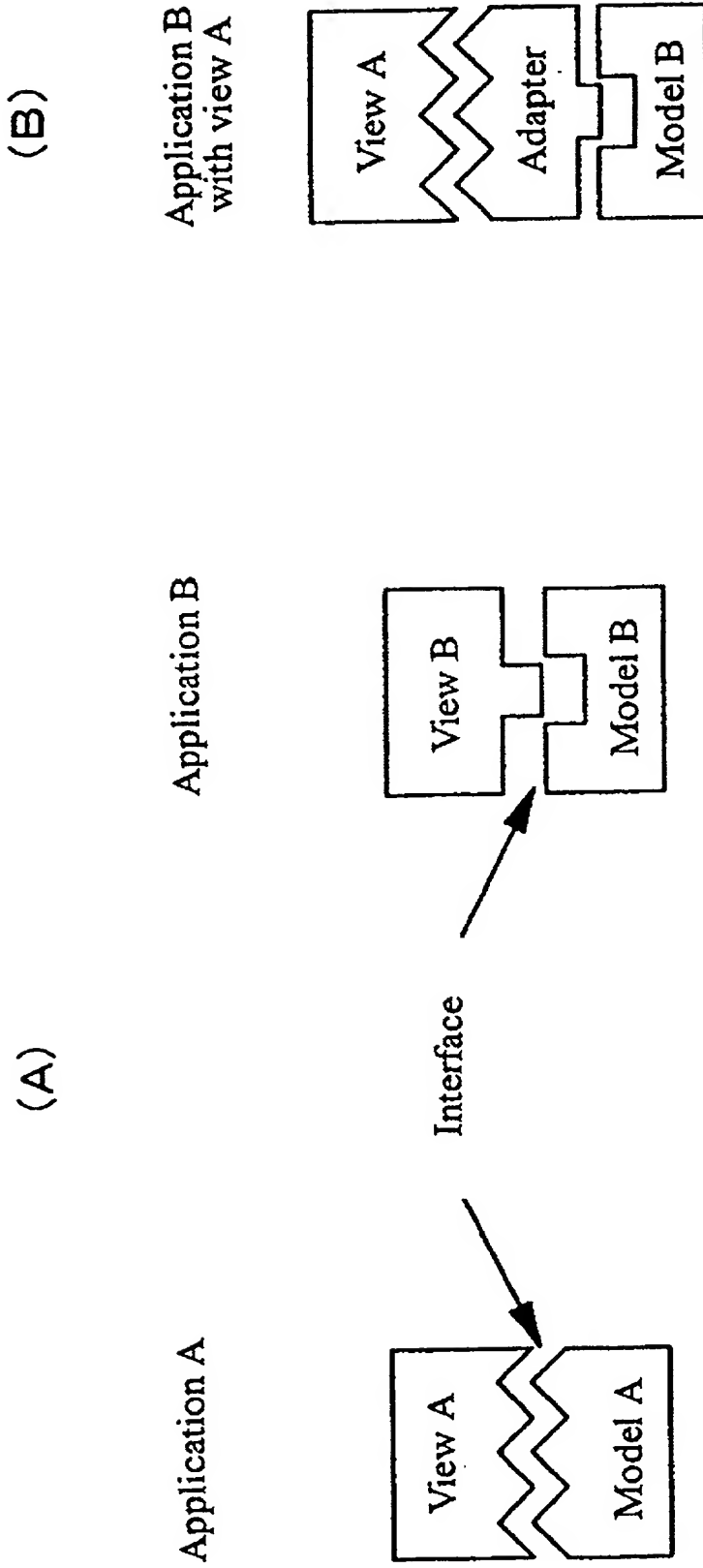
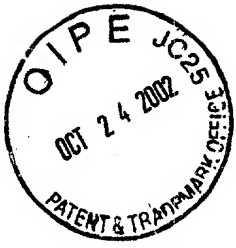


Fig. 38



Fig. 39

